Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO™ P Series Economy in a microtower

Issue September 2007

Pages 6

Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! The switched monitor outlet powers the display through the system. Switching off the systems means disconnecting the display, this saves up to ~ 20 % of the display power consumption annually. Additionally, software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability

Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality

Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment

Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony

From development to production, from transport to recycling – minimize the impact on the environment and limit the use of unrecoverable resources.

Ergonomics

Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment

Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing

Tailor-made products to meet customer individual requirements

Freedom of choice with systems which perfectly fit to specific customers

Manageability

Reduce Total Cost of Ownership with a comprehensive set of system management features

Easy and remote administration with DeskView client management

Security

Access and data protection with sophisticated hardware and software components for secure systems

Protect property – secure hardware and data and limit access with SmartCard Reader

Windows Vista Business

intel vPro

BÄSTA BUDGETVAL Mikrodatorn 2006

PC Professionell Empfehlung der Redaktion

Ausgabe 2/07
Esprimo P5915

	P5915	P5916	P5615	P5616	P5710	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Mainboard									
Chipset	iQ965	iQ965 iAMT	NVIDIA C51PV	NVIDIA C51PV	ATI Radeon® Xpress 1100	iQ33	iQ33	iQ35 vPRO	iQ35 vPRO
Mainboard Number	D2312	D2314	D2461-A	D2461-B TPM	D2451	D2582	D2582	D2584	D2584
Mainboard form factor	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX
Processor socket	LGA 775	LGA 775	Socket AM2	Socket AM2	LGA 775	LGA 775	LGA 775	LGA 775	LGA 775
Front side bus resp. system bus support	533/800/1066 MHz	533/800/1066 MHz	2000 MHz	2000 MHz	533/800/1066 MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz
BIOS version	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0
Flash EPROM BIOS update by software	x	x	x	x	x	x	x	x	x
Recovery BIOS	x	x	x	x	x	x	x	x	x
Processor									
Intel® Core™2 Duo	up to E6700	up to E6700	-	-	up to E6700	up to E6850	up to E6850	up to E6850	up to E6850
Second level cache	2MB/4MB	2MB/4MB	-	-	2MB/4MB	4MB	4MB	4MB	4MB
Front side bus (FSB)	1066MHz	1066MHz	-	-	1066MHz	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo	up to E4400	up to E4400	-	-	up to E4400	up to E4400	up to E4400	up to E4400	up to E4400
Second level cache	2MB	2MB	-	-	2MB	2MB	2MB	2MB	2MB
Front side bus (FSB)	800MHz	800MHz	-	-	800MHz	800MHz	800MHz	800MHz	800MHz
Intel® Pentium™ Dual core	up to E2160	up to E2160	-	-	up to E2160	up to E2160	up to E2160	up to E2160	up to E2160
Second level cache	1MB	1MB	-	-	1MB	1MB	1MB	1MB	1MB
Front side bus (FSB)	800MHz	800MHz	-	-	800MHz	800MHz	800MHz	800MHz	800MHz
Intel® Celeron	up to 440	up to 440	-	-	up to 440	up to 440	up to 440	up to 440	up to 440
Second level cache	512 KB	512 KB	-	-	512 KB	512 KB	512 KB	512 KB	512 KB
Front side bus (FSB)	533 MHz	800 MHz	-	-	800 MHz	800 MHz	800 MHz	800 MHz	800 MHz
AMD Athlon™ 64 X2 (socket)	-	-	up to 5200+ (AM2)	up to 5200+ (AM2)	-	-	-	-	-
Second level cache	-	-	2 x 512 KB	2 x 512 KB	-	-	-	-	-
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-	-
AMD Athlon™ 64 (socket)	-	-	3800+ (AM2)	3800+ (AM2)	-	-	-	-	-
Second level cache	-	-	512 KB	512 KB	-	-	-	-	-
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-	-
AMD Sempron™ (socket)	-	-	3600+ (AM2)	3600+ (AM2)	-	-	-	-	-
Second level cache	-	-	256 KB	256 KB	-	-	-	-	-
System Bus support	-	-	1600MHz	1600MHz	-	-	-	-	-
Athlon™ X2 (socket)	-	-	BE-2450 (AM2)	BE-2450 (AM2	-	-	-	-	-
Second level cache	-	-	2 x 512 KB	2 x 512 KB	-	-	-	-	-
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-	-
Memory									
Memory support	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	533/667 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz
DIMM slots	4	4	4	4	2	4	4	4	4
dual channel support	x	x	x	x	-	x	x	x	x
Max. capacity DDR2 SDRAM	8GB	8GB	8GB	8GB	4GB	8GB	8GB	8GB	8GB
for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same					4GB address space (with future memory modules). Thereof, max. 3.0GB usable for physical main memory.				
Interfaces									
Mouse/keyboard (PS2)	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x	x	x	x	x	x
Second serial port	-	-	-	-	-	-	-	-	-
Parallel (25pin with EPP and ECP)	-	-	-	-	-	optional	optional	optional	optional
Display (15 pin, VGA)	x	x	x	x	x	x	x	x	x
DVI	optional	optional	optional	optional	optional	optional	optional	optional	optional
Micro (mono) rear	x	x	x	x	x	x	x	x	x
Line in (stereo) rear	x	x	x	x	x	x	x	x	x
Line out (stereo) rear	x	x	x	x	x	x	x	x	x
Micro (mono) front	x	x	x	x	x	x	x	x	x
Headphone in front	x	x	x	x	x	x	x	x	x
LAN RJ45	x	x	x	x	x	x	x	x	x
Universal Serial Bus (USB 2.0) in total	10	10	8	8	10	12	12	12	12
therefore USB rear	6	6	4	4	6	6	6	6	6
USB front	2	2	2	2	2	2	2	2	2
USB internal	2, optional rear	2, optional rear	2, optional rear	2, optional rear	2, optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear
Interfaces add on cards/components									
Dual port RS232 , serial	optional	optional	optional	optional	optional	optional	optional	optional	optional
eSATA cable	-	-	-	-	-	optional	optional	optional	optional
Parallel cable (25pin with EPP and ECP)	-	-	-	-	-	optional	optional	optional	optional
Multicardreader	optional	optional	optional	optional	optional	optional	optional	optional	optional

	P5915	P5916	P5615	P5616	P5710	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
LAN on board									
10/100/1000 MBit/s	Broadcom BCM5755	Intel® 82566DM	NVIDIA C51PV	NVIDIA C51PV	Realtek RTL8110	Broadcom BCM5754	Broadcom BCM5754	Intel® 82566DM	Intel® 82566DM
Wake up on LAN (WOL)	x	x	x	x	x	x	x	x	x
PXE	x	x	x	x	x	x	x	x	x
BootP	tested	tested	tested	tested	tested	tested	tested	tested	tested
LAN add on cards									
Gigabit Ethernet, SysKonnect	optional	optional	optional	optional	optional	optional	optional	optional	optional
Audio on board									
Internal speaker supports audio playback	x	x	x	x	x	x	x	x	x
High definition audio	Realtek ALC 260	Realtek ALC 260	Realtek ALC 260	Realtek ALC 260	Realtek ALC 260	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262
I/O controller onboard									
Fast IDE/Ultra DMA-100 bus master capability	-	-	-	-	-	-	-	-	-
Serial ATA / thereof eSATA	4 / 0	4 / 0	4 / 0	4 / 0	4 / 0	4 / 2	4 / 2	4 / 2	4 / 2
Serial ATA II / 3GBit	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Raid 1/0	-	x	x	x	-	-	-	x	x
Drive bays	6	6	6	6	6	6	6	6	6
internal 3,5"	2	2	2	2	2	2	2	2	2
external 3,5"	2	2	2	2	2	2	2	2	2
external 5,25"	2	2	2	2	2	2	2	2	2
Floppy disk drive 1.44 MB standard	optional	optional	optional	optional	optional	optional	optional	optional	optional
Hard disk drives									
Serial ATA II 80 / 160 / 250 GB supporting NCQ and 3GBit (if chipset support is available)	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x
Optical drives (IDE)									
24/10/24/8-speed ATAPI CD RW / DVD ROM slim	-	-	-	-	-	-	-	-	-
DVD+/-RW writer slim	-	-	-	-	-	-	-	-	-
Optical drives (SATA)									
16/48-speed DVD ROM	optional	optional	optional	optional	optional	optional	optional	optional	optional
48/24/48/16-speed CD-RW / DVD ROM	optional	optional	optional	optional	optional	optional	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional	optional	optional	optional	optional	optional	optional
Slots									
PCI	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)
PCI Express x16	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)	1 (250 mm)
PCI Express x1	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)
Graphic on board	Intel® GMA 3000	Intel® GMA 3000	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	ATI RC415	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100
Shared memory depending on driver	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB
Resolution (color depth up to 32 Bit/pixel)									
1024 x 768 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	120 / 200 Hz	120 / 200 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	100 / 150 Hz	100 / 150 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.									
Graphic add on cards									
NVIDIAGeForce FX 7300LE 128MB, LP	-	-	-	-	-	-	-	-	-
NVIDIAGeForce FX 7300LE 256MB, LP	-	-	-	-	-	-	-	-	-
NVIDIAGeForce FX 7300LE 128MB	optional	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIAGeForce FX 7300LE 256MB	optional	optional	optional	optional	optional	optional	optional	optional	optional
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional	optional	optional	optional	optional	optional	optional	optional	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	optional	optional	-	-	-	optional	optional	optional	optional

	P5915	P5916	P5615	P5616	P5710	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Electrical values							80+ PSU		80+ PSU
Rated voltage range, AC	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 240 V	100 - 127 / 200 - 240 V	100 - 240 V
Rated frequency range	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Operating voltage range, AC	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 264 V	90 - 137 / 180 - 264 V	90 - 264 V
Operating line frequency range	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47 - 63 Hz	47-63 Hz	47 - 63 Hz
Max. output of power supply	260 W	260 W	260 W	260 W	260 W	260 W	300 W	260 W	300 W
PFC (power factor correction)	passive	passive	passive	passive	passive	passive	active	passive	active
Monitor outlet	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, FDD, Operating system)	E6400	E6400	Athlon 64 X2 4200+	Athlon 64 X2 4200+	E6400	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
Maximum (S0, running app. CD in use)	101W	101W	107W	107W	83 W	71W / 102W	62W / 95W	72W / 101W	65W / 96W
Average (S0, running OS, Idle mode)	66W	66W	50W	50W	55 W	50W /52W	42W /44W	48W / 51W	41W / 45W
Stand by (S3, energy saving modus, WOL enabled)	3,0W	2,3W	2,9W	2,9W	2,3W	1,7W	1,7W	1,8W	1,8W
Minimum (ACPI status S5, soft off, **WOL enabled**)	1,6W	1,6W (7,7W iAMT enabled)	1,9W	1,9W	1,7 W	1,5W	1,5W	1,6W	1,6W
Heat dissipation (kJ/h / BTU/h) / CPU	E6400	E6400	Athlon 64 X2 4200+	Athlon 64 X2 4200+	E6400	E6850	E6850	E6850	E6850
Maximum (S0, running app. CD in use)	364 kJ/h / 345 BTU/h	364 kJ/h / 345 BTU/h	385 kJ/h / 365 BTU/h	385 kJ/h / 365 BTU/h	299 kJ/h / 283 BTU/h	367 kJ/h / 348 BTU/h	342 kJ/h / 324 BTU/h	364 kJ/h / 345 BTU/h	346 kJ/h / 328 BTU/h
Average (S0, running OS, Idle mode)	238 kJ/h / 225 BTU/h	238 kJ/h / 225 BTU/h	180 kJ/h / 171 BTU/h	180 kJ/h / 171 BTU/h	198 kJ/h / 188 BTU/h	187 kJ/h / 177 BTU/h	158 kJ/h / 150 BTU/h	184 kJ/h / 174 BTU/h	162 kJ/h / 154 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	10,8 kJ/h / 10,2 BTU/h	8,3 kJ/h / 7,8 BTU/h	10,5 kJ/h / 9,9 BTU/h	10,5 kJ/h / 9,9 BTU/h	8,3 kJ/h / 7,8 BTU/h	6,1 kJ/h / 5,8 BTU/h	6,1 kJ/h / 5,8 BTU/h	6,5 kJ/h / 6,1 BTU/h	6,5 kJ/h / 6,1 BTU/h
Minimum (ACPI status S5, soft off, **WOL enabled**)	6,2 kJ/h / 5,8 BTU/h	6,2 kJ/h / 5,8 BTU/h	6,9 kJ/h / 6,5 BTU/h	6,9 kJ/h / 6,5 BTU/h	6,2 kJ/h / 5,8 BTU/h	5,4 kJ/h / 5,1 BTU/h	5,4 kJ/h / 5,1 BTU/h	5,8 kJ/h / 5,5 BTU/h	5,8 kJ/h / 5,5 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h									
Noise for standard configuration (HDD, ODD, FDD)	E6400	E6400	Athlon 64 X2 4200+	Athlon 64 X2 4200+	E6400	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
A weighted sound **power level Lwad** (in B) / Workplace related A-weighted sound **pressure level LpAm** (in dB(A)), (bystander position) (ISO9296)									
Operation mode 1: ODD load (Blue angel requirement)	4,4B / 29dB	4,4B / 29dB	4,4B / 29dB	4,4B / 29dB	5,1B / 36dB	5,0B / 35dB	5,0B / 35dB	4,8B / 34dB ; 4,8B / 33dB	4,8B / 34dB ; 4,8B / 33dB
Operation mode 2: HDD load (Blue angel requirement)	3,8B / 23 dB	3,8B / 23 dB	3,7B / 22dB	3,7B / 22dB	3,5B / 20dB	3,7B / 21dB	3,7B / 21dB	3,5B / 18dB	3,5B / 18dB
Operation mode 3: CPU 90% load (Blue angel requirement)	3,9B / 24dB	3,9B / 24dB	3,6B / 21dB	3,6B / 21dB	3,7B / 23dB	3,6B / 19dB ; 3,7B / 22dB	3,6B / 19dB ; 3,7B / 22dB	3,4B / 17dB	3,4B / 17dB
Operation mode 4: High load	3,9B / 24dB	3,9B / 24dB	3,7B / 22dB	3,7B / 22dB	3,7B / 23dB	3,7B / 21dB ; 3,8B / 23dB	3,7B / 21dB ; 3,8B / 23dB	3,5B / 19dB ; 3,5B / 18dB	3,5B / 19dB ; 3,5B / 18dB
Operation mode 5: Office applications	3,7B / 22dB	3,7B / 22dB	3,7B / 22dB	3,7B / 22dB	3,5B / 21dB	3,7B / 21dB ; 3,8B / 22dB	3,7B / 21dB ; 3,8B / 22dB	3,5B / 18dB	3,5B / 18dB
Idle mode (Blue angel requirement)	3,7B / 22dB	3,7B / 22dB	3,6B / 21dB	3,6B / 21dB	3,5B / 20dB	3,5B / 19dB ; 3,6B / 21dB	3,5B / 19dB ; 3,6B / 21dB	3,4B / 18dB ; 3,4B / 17dB	3,4B / 18dB ; 3,4B / 17dB
Ambient temperature (IEC 721)	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C
Dimensions (H x W x D)	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm
Operating position (vertical/horizontal)	x /-	x /-	x /-	x /-	x /-	x /-	x /-	x /-	x /-
Weight (depending on config)	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg
Approvals and standards									
CE certification according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	x	x	x	x	x	x	x	x	x
Ergonomics ISO9241 (GS mark)	x	x	x	x	x	x	x	x	x
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x	x	x	x	x	x	x	x
Electromagn. compatibility EN55022/B, FCC class B, EN55024, EN61000-3-2/3	x	x	x	x	x	x	x	x	x

	P5915	P5916	P5615	P5616	P5710	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Environmental compatibility									
RoHS (Restriction of hazardous substances)	x	x	x	x	x	x	x	x	x
WEEE (Waste electrical and electronical equipment)	x	x	x	x	x	x	x	x	x
Energy Star	-	-	-	-	-	-	x (v.4.0)	-	x (v.4.0)
Blue Angel 2007	x	x (iAMT disabled)	x	x	x	x	x	x	x
Nordic Swan	x	x	x	x	x	tbd	tbd	tbd	tbd
Med certification according to EN60950 and EN60601-1-	-	-	-	-	-	-	-	-	tbd
Software (compatibility / preinstalled)									
Microsoft Windows 2000	x / -	x / -	x / -	x / -	x / -	for projects	for projects	for projects	for projects
Microsoft Windows XP Home	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows XP Professional	x / optional	x / optional	x / optional	x / optional	x / optional	x / -	x / -	x / -	x / -
Microsoft Windows XP Professional x64 Edition	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows Vista® 32bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® 64bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x	x	x	x	x	x	x	x	x
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x	x	x	x	-	x	x	x	x
Linux certified	-	Novell SLED10	-	-	-	tbd	tbd	tbd	tbd
Additional Software									
Recovery DVD (Microsoft Windows XP / Vista)	x / optional	x / optional	x / optional	x / optional	x / optional	optional	optional	optional	optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
XONTROL (noise reduction for optical drives)	x	x	x	x	x	x	x	x	x
SafeStandby (only Windows XP)	x	x	-	x	x	-	-	-	-
Others									
Thermal Management	x	x	x	x	x	x	x	x	x
Keyboard on (Fujitsu Siemens Computers keyboard required)	x	x	x	x	x	x	x	x	x
Spare part availability	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Compatibility (references)									
Microsoft Operating Systems (HCT / HCL entry)	x	x	x	x	x	x	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x	x	x	x	x	x	x	x	x
Manageability									
ASF 2.0 (Alert Standard Format)	x	x	-	-	-	x	x	x	x
iAMT Intel Active Manageability Technology (not activated, not provisioned, for Win XP Prof and Vista Business only)	-	x (v. 2.x)	-	-	-	-	-	x (v. 3.0)	x (v. 3.0)
DeskView 10.x client management including:									
On/Offline remote client management	x	x	x	x	x	x	x	x	x
Detailed system inventory management and reports	x	x	x	x	x	x	x	x	x
BIOS Management	x	x	x	x	x	x	x	x	x
Remote power management	x	x	x	x	x	x	x	x	x
System notifications	x	x	x	x	x	x	x	x	x
Advanced alerts (ASF implementation)	x	x	-	-	-	x	x	x	x
Security Remote Control	x	x	x	x	x	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x	x	x	x	x	x
DeskUpdate Driver management	x	x	x	x	x	x	x	x	x
DeskView Migrate	optional	optional	optional	optional	optional	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional	optional	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x	x	x	x	x	x
BootP Boot Code including Bootmanage Administrator Software	tested	tested	tested	tested	tested	tested	tested	tested	tested
Wake up from S5 (off mode)	x	x	x	x	x	x	x	x	x
Intrusion switch	optional	optional	optional	optional	optional	optional	optional	optional	optional

	P5915	P5916	P5615	P5616	P5710	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Security									
Physical Security implemented in the cabinet									
Prepared for Kensington lock, eye for padlock	x	x	x	x	x	x	x	x	x
Integrated cabinet lock	optional	optional	optional	optional	optional	optional	optional	optional	optional
System Security									
Boot sector virus protection	x	x	x	x	x	x	x	x	x
Write protect option for the Flash EPROM	x	x	x	x	x	x	x	x	x
Embedded security (TPM1.2)	x	x	-	x	optional	x	x	x	x
Control of all USB interfaces / external USB interfaces detachable separately	x / x	x / x	x / -	x / -	x / -	x / x	x / x	x / x	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x	x	x	x	x	x
Control of external interfaces	x	x	x	x	x	x	x	x	x
User Security									
User and supervisor BIOS password	x	x	x	x	x	x	x	x	x
SystemLock 2 BIOS SmartCard Security	x	x	x	x	x	x	x	x	x
Hard disk password	x	x	x	x	x	x	x	x	x
Access protection via external SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional
Serviceability									
FlexySlot	x	x	x	x	x	x	x	x	x
EasyFix	x	x	x	x	x	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x	x	x	x Limited configurations	x	X Limited configurations

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